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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/869,926	11/07/2001	Reuven Regev	REGEV=3	3048

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EXAMINER

KASSA, YOSEF

ART UNIT

PAPER NUMBER

2625

DATE MAILED: 08/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/869,926

Applicant(s)

REGEV, REUVEN

Examiner

YOSEF KASSA

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2 and 9-11 is/are rejected.
- 7) ☒ Claim(s) 3-9 and 12-17 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>5</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Specification Objection***

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. That is, the invention is directed to scanned character image distortion correction area.

### ***Claim Objections***

2. Claims 6, 7, 9, 15 and 16 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claims of 6, 7, 9, 15 and 16. Claim 6 is depended on claims 5 and 2 or 3. Claim 15 depended claims 2 or 3, 5, 6 and 14, that is, claim should not be depended on a multiple claims. See MPEP § 608.01(n).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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Claims 1, 2, 9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rokusek (U.S. Patent 5,638,466), and further in view of Neukermans et al (U.S. Patent 6,064,779).

With regard to claim 1, Rokusek discloses providing a mode character height for each font (see Fig. 3a, item 310); and utilizing mode character height and for constructing a correction factor in order to correct the distorted text image (see col. 4, lines 20-35).

Rokusek does not explicitly call for font ratio. At the same field of endeavor, Neukermans discloses this feature (see col. 11, lines 29-35). At the time of the invention was made, it would have been obvious to incorporate the teaching of Neukermans font ratio process into Rokusek's system. The motivation doing so is to provide deformed scanned image characters are correctly formed.

With regard to claim 2, Rokusek discloses the instantaneous correction factor at one or more essentially vertical stacks in an acquired text image, the essentially vertical stacks having widths, wherein step further includes utilizing the widths of one or more essentially vertical stacks in the acquired text image (see col. 4, lines 50-55).

With regard to claim 9, Rokusek discloses a scanner having a one-dimensional optical sensor and no mechanical parts for determining scanning speed; and a CPU coupled to a storage medium and executing software (see col. 3, lines 49-60).

Claim 10 is similarly analyzed as claim 1.

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With regard to claim 11, Rokusek discloses storing an executable computer program for determining the instantaneous correction factor at one or more essentially vertical stacks in an acquired text image, the essentially vertical stacks having widths, wherein step further includes utilizing the widths of one or more essentially vertical stacks in the acquired text image (see col. 4, lines 47-62).

***Allowable Subject Matter***

4. Claims 3-8, 12-15, 16 and 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Other Prior Art Cited***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent No. (5,854,853) to Wang disclose method and apparatus for selecting blocks of image data...

US Patent No. (5,999,666) to Gobeli et al disclose device and method for optical scanning of text.

US Patent No. (6,036,094) to Zhang et al discloses hand held optical scanner for reading two-dimensional bar code symbols and the like.

US Patent No. (5,506,918) to Ishitani disclose document skew detection/control system for printed document image...

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***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOSEF KASSA whose telephone number is (703) 306-5918. The examiner can normally be reached on Monday-Thursday from 8:00 AM to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BHAVESH MEHTA can be reached on (703) 308-5246. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 872-9306 for regular communication and (703) 872-9306 for after Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service office whose telephone number is (703) 306-5631. The group receptionist number for TC 2600 is (703) 305-4700.

**PATENT EXAMINER**

Yosef Kassa

08/04/04.



**BHAVESH M. MEHTA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600**